



SPECIAL  
PHOTO  
ISSUE

# NEWSWAVE

FROM THE U.S. DEPARTMENT OF THE INTERIOR:  
OCEANS, COASTS AND GREAT LAKES

Visual perspectives

Summer 2015





Be awed by the beauty, power, and wonder of our natural and cultural resources.

Interior protects unique treasures and offers opportunities to explore, dive in, and get wet!



Front cover (clockwise from top left): Visitors arrive at Frenchy's Cove on Anacapa Island, Channel Islands National Park. Photo credit: Tim Hauf; Tlingit tribal house groundbreaking ceremony, Glacier Bay National Park and Preserve. Photo credit: NPS; Red-footed booby at Palmyra Atoll in the Pacific Remote Islands Marine National Monument. Photo credit: Laura Beauregard, USFWS; Close-up of *Montastrea cavernosa* coral polyps. Photo credit: USGS; Aerial view of Arctic National Wildlife Refuge polygonal permafrost ground. Photo credit: FWS; Aerial view of Dry Tortugas National Park. Photo credit: USGS

This page, top: Hurricane Irene cut new inlets on Pea Island National Wildlife Refuge on Cape Hatteras Outer Banks. Photo credit: USFWS; center: American Samoan young men are part of a culture where traditional singing and dancing is passed on to younger generations. Photo credit: Michael Larson, NPS; bottom: Child on beach. Photo credit: NPS

This page (clockwise from top left): Fishing at Apostle Islands National Lakeshore. Photo credit: NPS; Giant Clams at the Pacific Remote Islands Marine National Monument. Photo credit: USFWS; Find Your Park. Photo credit: NPS; Pacific Black Brant flying at Izembek National Wildlife Refuge. Photo credit: USFWS; Kayakers explore the marsh wetlands at Assateague National Seashore. Photo credit: NPS; The Dry Tortugas Light located on Loggerhead Key in Dry Tortugas National Park. Photo credit: NPS

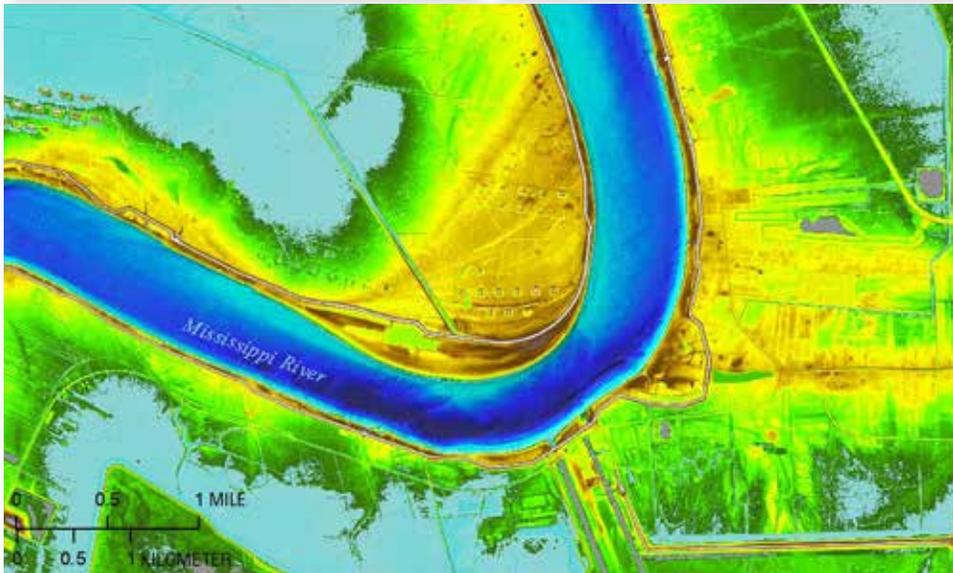


Remote landscapes, astounding creatures,  
historical landmarks, cultural jewels



Clockwise from top left: Anacapa Island, Channel Islands National Park. Photo credit: Tim Hauf; Legendary blue ice at Glacier Bay National Park and Preserve. Photo credit: NPS; Above and below tropical waters in Ofu, National Park of American Samoa. Photo credit: NPS; Fort Jefferson brickwork arches at Dry Tortugas National Park; Photo credit: USGS; Small shrimp perched on soft coral in deepwater canyon. Photo credit: Deepwater Canyons 2013 - Pathways to the Abyss, NOAA-OER/BOEM/USGS

## Using scientific information to balance sustainable use with ecosystem function



### Maps and Tools and Managing Ecosystems

Louisiana has lost 1,900 square miles of land area from 1932 to 2000. Above- this topobathymetric map shows seamless elevation data for both land and submerged areas in a section of the Mississippi River south of New Orleans. Elevation data like these are fundamental to coastal management and restoration.

[https://lta.cr.usgs.gov/coned\\_tbdem](https://lta.cr.usgs.gov/coned_tbdem)

This page, top left: A basket star is wrapped around a soft coral in a deep marine canyon environment. Photo credit: Deepwater Canyons 2013 - Pathways to the Abyss, NOAA-OER/BOEM/USGS; top right: Emergent wetland along the Virginia coast. Photo credit: Ben Fertig; bottom: Map image credit: Dean Tyler, USGS-EROS



This page (clockwise from top left): Roseate spoonbills in a courtship dance at High Island, Texas. Photo credit: Michael Rosenbaum; Juvenile *Alligator mississippiensis* in Florida. Photo credit: Alan Cressler; Ice is loaded into the 2.6 million gallon saltwater tank at the Ohmsett research facility to simulate Arctic conditions for an independent evaluation of the effectiveness of oil spill response tools in icy conditions. Photo credit: Michael Brennan, BSEE; A Kittlitz's murrelet in Glacier Bay. Photo credit: Glacier Bay National Park and Preserve; The USFWS manages a fire in Everglades National Park, Photo credit: USFWS



## The Role of Stewardship

Clockwise from top left—The piping plover is benefiting from a new tool named 'iPlover' that is advancing shorebird science; NPS is engaging youth in stewardship activities such as the Junior Ranger Program; NPS staff support Kemp's ridley sea turtle hatchlings at Padre Island National Seashore (at right and below)

